

**Amendments to the Specification:**

Please replace paragraph [0035] with the following amended paragraph:

Fig. 6 is graphical illustration of a fluid valve (or fluid switch) with a grooved magnet in accordance with a further embodiment of the invention. In accordance with this embodiment, one pole of the internal magnet **402 401** (or its coating) includes grooves **601** that are made in the coating to enable fluid flow when that magnetic pole is located over the fluid inlet **410** and outlet **411**. As shown in Fig. 7, when the external magnet **403** is removed after having placed the north pole **701** of the external magnet **403** on the skin flap **409**, the north pole **703** of the internal magnet **401**, which does not have grooves, is attracted by the anchor **402**. Fluid flow between the fluid inlet **410** and fluid outlet **411** is thus interrupted by the internal magnet **401**. Fig. 8 is an illustration showing that by removing the external magnet **403** after having placed the south pole **702** of the external magnet **403** onto the skin, the south pole **704** of the internal magnet **401**, which includes grooves **601**, is attracted to the anchor **402** and fluid may flow through the grooves **601** between the fluid inlet **410** and fluid outlet **411**.

Please replace paragraph [0039] with the following amended paragraph:

Figs. 12A and 12B are graphical illustrations showing the effect of a valve or switching state of a fluid valve in accordance with an embodiment of the invention. In accordance with this embodiment, a freely turnable spherical or cylindrical internal magnet **1208** is encapsulated in a hermetical non-ferromagnetic housing **1218**. The coating at poles **1210** and **1211** of the internal magnet **1208** are recessed. The anchor **1205** is placed on the lateral side (close to the skin flap **409**) or at any other place on the housing **1218** instead of at the medial side. Further, switching is performed between more than one inlet and outlet. For example, switching is performed between inlets **1203** and **1204** and outlets **1201** and **1202**. When external magnet **1206** is removed after having been placed such that the south pole **1207** of the external magnet **1206** was in contact with the skin flap **409**, the north pole **1211** of the internal magnet **1208** is closer to the skin flap **409** and recesses **1213** and **1214** permit fluid flow between fluid inlet **1203** and fluid outlet **1201**. When external magnet **1206** is removed after having been placed such that the north pole **1209** of the external magnet **1206** was in contact with the skin flap **409**, the south pole **1210** of the internal magnet **1208** is closer to the skin flap **409** and recesses **1215** and **1216** and

**1217** permit fluid flow between fluid inlet **1204** and fluid outlet **1202**. A crossover/crossfeed valve may also be implemented in accordance with this embodiment.

Please replace paragraph [0041] with the following amended paragraph:

Fig. 14 is a graphical illustration of a magnetically driven fluid pump in accordance with a further embodiment of the invention. In accordance with this embodiment, an ON/OFF valve (or fluid switch) and pump are used to interrupt and resume fluid flow in a fluid delivery system. The pump **1400** includes an internal magnet **1401** which is embedded in an excentrical, freely turnable and biocompatible body ("rotor") which together with a hermetically tight membrane **1402** separates the volume inside a non-ferromagnetic chamber **1403** into two parts. The rotor **1401** is fixed stable by a small ferromagnetic part **1404** ("anchor") during the absence of an external magnetic field. Thus, the flow valve is closed. The pump **1400** can be magnetically activated and driven by a rotating external magnetic field such as that provided by external rotating magnet **1405** (or an arrangement of solenoids). In this manner, fluid flow direction and the fluid flow rate may be controlled.

Please replace paragraph [0042] with the following amended paragraph:

Fig. 15 is a graphical illustration showing a fluid valve or fluid switch ~~with~~ which includes an internal catheter in accordance with another embodiment of the invention. Here again, the valve **1501** includes an internal but movable biocompatible magnet **1502** located in a non-ferromagnetic chamber **1503**. The chamber **1503** includes an internal catheter **1509** having an inlet **1504** and an outlet **1505**. The internal magnet **1502** may be displaced so as to create an open (ON) position, wherein flow through the internal catheter **1509** is not interrupted or a closed (OFF) position wherein flow through the internal catheter **1509** is interrupted as shown in Fig. 16. As in the embodiment of Fig. 1, the internal magnet **1502** may be encapsulated by a gold film or other material (e.g. metal and/or polymer) to provide a biocompatible interface with the surrounding fluid or gas. The shape of the internal magnet **1502** (or non-ferromagnetic case or housing **1503** which contains one magnet or several magnets of any shape) may be a disk, a cube, a rectangle, a cylinder, a sphere, or any other shape.